



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re application of: Visco et al.

Attorney Docket No.: PLUSP040

Application No.: 10/824,944

Examiner: Tracy Mae Dove

Filed: April 14, 2004

Group: 1745

Title: PROTECTED ACTIVE METAL  
ELECTRODE AND BATTERY CELL  
STRUCTURES WITH NON-AQUEOUS  
INTERLAYER ARCHITECTURE

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on September 29, 2006 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: \_\_\_\_\_

Tara Hayden

**INFORMATION DISCLOSURE STATEMENT  
BEFORE FINAL ACTION OR NOTICE OF ALLOWANCE  
(37 CFR §§ 1.56 AND 1.97(d))**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, a copy of which is attached, may be material to examination of the above-identified patent application. Applicants submit this reference in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make this citation of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that this reference indeed constitutes prior art.

This Information Disclosure Statement is being filed after the mailing date of the first Office Action on the merits, or after three months of the filing date of this application, whichever event occurred last, but it is believed before the mailing date of either: (i) a final action under §1.113 or (ii) a notice of allowance under §1.311, whichever occurs first.

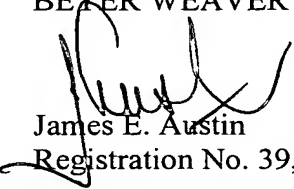
Accompanying this Information Disclosure Statement is

- ☐ a statement as specified in 37 CFR 1.97(e); or
- ☒ the fee set forth in 37 CFR 1.17(p).

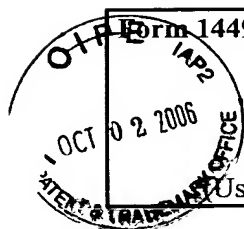
If fees are due, enclosed is our Check No. 12394 for \$180.00 in payment of the Information Disclosure Statement Fee. If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. PLUSP040).

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

  
James E. Austin  
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Form 1449 (Modified)

**Information Disclosure  
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.

PLUSP040

Applicant:

Visco, et al.

Filing Date

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Application No.:

10/824,944

Group

1745

**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	2002/0034688	03.21.02	Chu et al.			
	A2	5,789,108	08.1998	Chu			
	A3	6,068,950	05.30.00	Gan et al.			
	A4	6,274,269 B1	08.14.01	Gan et al.			
	A5	6,203,942 B1	03.20.01	Gan et al.			
	A6	6,489,055 B1	12.03.02	Ichihashi et al.			
	A7	6,511,772 B2	01.30.03	Gan et al.			
	A8	6,096,447	08.01.00	Gan et al.			
	A9	6,200,701 B1	03.13.01	Gan et al.			
	A10	6,495,285 B2	12.17.02	Gan et al.			
	A11	6,537,698 B2	03.25.03	Gan et al.			
	A12	4,402,995	09.1983	Fleischer, Niles A.			
	A13	4,405,416	09.1983	Raistrick et al.			
	A14	5,314,765	05.1994	Bates, John B.			
	A15	6,025,094	02.2000	Visco et al.			
	A16	6,280,598	08.2001	Barton et al.			
	A17	6,413,284	07.2002	Chu et al.			
	A18	6,737,197	05.2004	Chu et al.			

**Foreign Patent or Published Foreign Patent Application**

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	WO 02/50933 A2	27.06.2002	PCT				
	B2	WO 02/50933 A3	27.06.2002	PCT				

**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	Visco, et al., "Ionically Conductive Composites for Protection of Active Metal Anodes," PolyPlus Battery Company, Appln. No. 10/686,189, filed October 14, 2003, pages 1-48 [PLUSP027].
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No.	Application No.:
	PLUSP040	10/824,944
	Applicant:	
	Visco, et al.	
	Filing Date	Group
	April 14, 2004	1745

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A19	5,532,077	07.02.96	Chu			
	A20	5,523,179	06.04.96	Chu			
	A21	5,582,623	12.10.96	Chu			
	A22	6,248,481	11.11.97	De Jonghe et al.			
	A23	5,882,812	03.16.99	De Jonghe et al.			
	A24	5,516,598	05.14.96	Chu et al.			
	A25	6,358,643	03.19.02	Katz et al.			
	A26	5,814,420	09.29.98	Chu			
	A27	4,917,974	04.17.90	Visco et al.			
	A28	4,833,048	05.23.89	De Jonghe et al.			
	A29	5,162,175	11.10.92	De Jonghe et al.			
	A30	6,723,140	04.20.04	Chu et al.			
	A31	6,198,701	03.06.01	De Jonghe et al.			
	A32	6,165,644	12.26.00	Chu et al.			
	A33	6,017,651	01.25.00	Chu et al.			
	A34	6,537,701	03.25.03	Chu et al.			
	A35	6,955,866	10.18.05	Nimon et al.			
	A36	6,200,704	03.13.01	De Jonghe et al.			
	A37	6,210,832	04.03.01	Chu et al.			
	A38	6,110,236	08.29.00	Chu et al.			
	A39	6,225,002	05.01.01	Chu et al.			
	A40	6,413,285	07.02.02	De Jonghe et al.			
	A41	6,632,573	10.14.03	Nimon et al.			
	A42	7,070,632	07.04.06	Visco et al.			
	A43	6,991,662	01.31.06	Visco et al.			

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
Examiner				Date Considered				

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**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C2	International Search Report dated October 18, 2005 from related International Application No. PCT/US2004/033372. [PLUSP039]
	C3	U.S. Office Action mailed June 16, 2006, from U.S. Application No. 11/092,781. [PLUSP026C1]
	C4	De Jonghe, et al., "Chemical Protection of a Lithium Surface," PolyPlus Battery Company, Appln. No. 11/092,781, filed March 28, 2005, pages 1-34 [PLUSP026C1].
	C5	Visco et al., "Active Metal Fuel Cells," PolyPlus Battery Company, Appln No. 10/825,587, filed April 14, 2004, pages 1-27. [PLUSP038]
	C6	Visco, et al., "Active Metal/Aqueous Electrochemical Cells and Systems," PolyPlus Battery Company, Appln. No. 10/772,157, filed February 3, 2004, pages 1-89 [PLUSP036].
	C7	Visco et al., "Ionically Conductive Membranes for Protection of Active Metal Anodes and Battery Cells," PolyPlus Battery Company, Appln No. 10/772,228, filed February 3, 2004, pages 1-50. [PLUSP039]
	C8	Visco, et al., "Ionically Conductive Composites for Protection of Active Metal Anodes," PolyPlus Battery Company, Appln. No. 10/731,771, filed December 5, 2003, pages 1-43 [PLUSP027X1].
	C9	Jonghe, et al., "Active Metal Electrolyzer," PolyPlus Battery Company, Appln. No. 10/986,441, filed November 10, 2004, pages 1-39 [PLUSP042].
Examiner		Date Considered

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